

Government College of Technology, Coimbatore – 641 013
(An Autonomous Institution affiliated to Anna University, NAAC accredited with A Grade)

INTERNAL QUALITY ASSURANCE CELL (IQAC)

Minutes of External Peer Review Meeting

Date: 19.11.2022

The External Peer Review meeting for Internal Quality Assurance Cell (IQAC) was held on 19.11.2022, 02.00PM at Conference Hall. The IQAC has constituted an external peer review team with the following members to assess the performance of the college.

External Members

1. Dr. N. Alagumurthi
Professor of Mechanical Engineering
Pondicherry Engineering College
Pondicherry.
2. Dr.M.Ibrahim Bathusha
Professor of Civil Engineering
PSG College of Technology
Coimbatore.

Internal Members

Sl.No.	Name	Member Category
1	Dr.P.Thamarai	Convenor
2	Dr.R.Thenmozhi	IQAC Co-ordinator & HoD / UG Civil, PG- Struct & Geotech
3	Dr.J. Jeyanthi	HoD/PG-Env & IBT
4	Dr.K.Ramesh	HoD/Mech & PG-Thermal
5	Dr.N.Nandhakumar	Member & HoD/PG-ED
6	Dr.T.Sekar	HoD/ PG-ME
7	Dr.V. Gopalakrishnan	HoD/EEE & EIE
8	Dr.C.Vasanthanayaki	HOD/PG-AE & VLSI
9	Dr.C. Santhi	HoD/UG-ECE
10	Dr.S.Srinivasa Moorthy	HoD/Prodn
11	Dr.J.C.Miraclin Joyce Pamila	HoD/CSE

12	Dr.S.Rathi	Member & HoD / IT
13	Prof. G. Ravindra Devi Revathy	HoD/Physics
14	Prof.R. Rajendran	HoD/Maths
15	Dr.C.Sivasankari	HoD/Chemistry
16	Dr.R.Rajeswari	Member
17	Dr.C.Mejaraj	Member
18	Dr. O. Saraniya	Member
19	Dr.Sujatha Balaraman	Member
20	Dr.N.Narmadhai	Member
21	Dr.R. Chithra	IQAC Co-Coordinator
22	Tmt.R.R.Sridevi	Member

Principal welcomed the external review members, and Internal IQAC members and pointed out about the benchmarks that has been formulated for the enhancement of quality of the institution. The IQAC Coordinator mentioned about the following quality enhancement strategies the college has devised for the enhancement of quality of the institution.

- I. Curricular aspects
- II. Academic Performance
- III. Research and Innovation
- IV. Student Support and Progression
- V. Infrastructure facilities
- VI. Institutional values and best practices
- VII.

I CURRICULAR ASPECTS:					
	Description	Very good	Good	Satisfactory	Poor
1	Quality of vision and mission statements		√		
2	Implementation of choice-based credit system (CBCS)	√			
3	Adequacy of courses having focus on employability/ entrepreneurship/ skill development	√			
4	Evidence of procedures for framing POs, PSOs and their adequacy	√			
5	Evidence for framing of COs and	√			

	their attainment against set targets					
6	Evidence for structured feedback system		√			
7	Evidence for NBA Accreditation of UG/PG programs	√				
8	Quality of UT and SEE question papers		√			
9	Preparation and adherence to Academic Calendar by the institution	√				
10	Implementation of examination reforms		√			
II ACADEMIC PERFORMANCE						
Pass percentage of graduating students for 2020-21			Rating (Mention Very good, Good, Satisfactory or Poor)			
	Name of the Department	No. of students Enrolled	No. of students Passed	Target	Attained	Rating
1	Civil Engineering	120	119	90	99	VG
2	Mechanical Engineering	129	128	90	99	VG
3	Electrical & Electronics Engg.	66	66	90	100	VG
4	Electronics & Communication Engg.	66	66	90	100	VG
5	Production Engineering	60	60	90	100	VG
6	Electronics & Instrumentation Engg.	62	62	90	100	VG
7	Computer Science & Engineering	65	65	90	100	VG
8	Information Technology	65	65	90	100	VG
9	Industrial Biotechnology	105	105	90	100	VG
PG Programmes						
10	Structural Engineering	15	15	100	100	VG
11	Environmental Engineering	14	14	100	100	VG
12	Geotechnical Engineering	15	15	100	100	VG
13	Engineering Design	12	12	100	100	VG
14	Manufacturing Engineering	8	8	100	100	VG
15	Thermal Engineering	11	11	100	100	VG
16	Power Systems Engineering	13	13	100	100	VG
17	Power electronics and Drives	8	8	100	100	VG
18	Applied Electronics	5	5	100	100	VG
19	VLSI Design	4	4	100	100	VG
20	Computer Science & Engineering	13	12	100	92	VG
80% STUDENTS' PLACEMENTS WITH MEDIAN SALARY PER ANNUM RS.3-4.5 (LAKHS).						
	Name of the Dept	Total No. of students	Eligible Students	No. of students	% of placement Target Attained	Very good (95-100%) Good (85-95%) Satisfactory (75-85%) Poor Less than 75%

			de nts	plac ed					
1	Civil	120	70	60	80	86	G		
2	Mechanical	130	80	72	80	90	G		
3	EEE	67	60	56	80	93	G		
4	ECE	66	55	49	80	89	G		
5	EIE	60	50	41	80	82		S	
6	Production	62	60	58	80	97	VG		
7	CSE	65	56	56	80	100	VG		
8	IT	65	55	51	80	93	G		
9	IBT	105	70	57	80	81		S	
PG Programmes									
10	Structural Engg	15	15	-	60	-			P
11	Environmental Engg	14	14	1	60	7			P
12	Geotechnical Engg	15	15	2	60	13			P
13	Engg Design	12	12	1	60	8			P
14	Manufacturing Engg	8	8	-	60	-			P
15	Thermal Engg	11	11	3	60	27			P
16	Power Systems Engg	14	14	3	60	21			P
17	Power electronics and Drives	9	9	3	60	33			P
18	VLSI Design	4	4	2	60	50			P
19	Applied Electronics	5	5	2	60	40			P
20	CSE	14	14	11	60	79		S	
III RESEARCH & INNOVATION									
Qualification - Percentage of faculty with Ph.D .									
	Name of the Dept	Total No. of Faculty	No. of Faculty with Ph.D	% of Faculty with Ph.D		Very good (80-100 %)	Good (60-80%)	Satisfactory (50-60%)	Poor (Less than 50%)
				Target	Attained				
1	Civil	23	15	75%	65%		G		
2	Mechanical	15	10	75%	67%		G		
3	EEE	14	9	75%	64%		G		
4	ECE	16	10	75%	63%		G		
5	EIE	12	5	75%	42%				P
6	Production	11	7	75%	64%		G		
7	CSE	12	7	75%	58%			S	
8	IT	11	5	75%	45%				P
9	IBT	16	8	75%	50%			S	

10	Science & Humanities	21	11	75%	52%			S	
Academic Research - % of faculty having high quality publications :									
Sl. No.	Name of the Dept	Total No. of Faculty	No. of High quality publications	Very good	Good	Satisfactory	Poor		
1	Civil	23	25		G				
2	Mechanical	15	18		G				
3	EEE	14	11			S			
4	ECE	16	3				P		
5	EIE	12	5				P		
6	Production	11	12		G				
7	CSE	12	21	VG					
8	IT	11	25	VG					
9	IBT	16	13			S			
10	Science & Humanities	21	5				P		
Academic Research - No. of faculty having funded projects :									
	Name of the Dept	No. of Faculty	Organization	Duration of the project	Amount Received				
1.	CSE	2	AICTE	3 years	16,70,000				
2.	EEE	1	TNSCST, Chennai	3Months	7,500				
3.	EEE	1	TNSCST, Chennai	3Months	7,500				
4.	Civil,IBT	3	AICTE - RPS	3 Years	5,88,235				
5.	IBT	1	TNSCST	2 Years	2,04,000				
Industry - Institute Linkage (Mention Rating)									
1.	Signing of MoU with Industries and Mutual benefits. All the departments have signed MoU with Industries. GCT signed MoU with Godigital, Australia for benefit of students in Internships and Project works.								
2.	Members from Industries are acting as BoS members, Academic council members and Dept. advisory board								
3.	100% of UG students and 70% PG students are doing internship in industries								
4.	10% of the students are doing their final year project in industries								
5.	Member in CII for the last two years and registered in Placement Forum of CII.								
6.	International webinar on career guidance for budding engineers and inauguration of student quality circle (SQC) was organized on 17.9.21.								
7.	A 5-days workshop on leadership program for Ladies was organized by GCT Coimbatore and Champion women India.								
8.	Third Year Production Department students have secured 2nd place (first Runner up) and won cash prize in a National Level event called NAVYANTRA, a hardware hackathon with an open problem statement, conducted by Indian Institute of Technology (Indian School of Mines), Dhanbad.								
9.	Coding Club and Yellow Cap Community, Product Design and Development Club of GCT and Standards Club of GCT were inaugurated.								
10.	Live demo of interview with a Start-up owner was organized for Mechanical and IT Students.								

11.	Yellow belt MSME certified Six Sigma Programme offered by MSME Technology Development Centre for the benefit of students.
12.	An International Conference and Exhibition on ICT in the Theme Building a sustainable deep technology ecosystem was organized for about 100UG Students by Confederation of Indian Industries.
13.	Tech Expo 2022 was organized to showcase the activities of various Clubs and Cells of GCT on the occasion of National Technology Day 2022 by IIC and IIC.
14.	Women Empowerment Cell, GCT conducted events on the theme Media news on Sexual Harassment – Observe, Explain and Solution for UG and PG Students from 3 rd to 5 th March 2022.
15.	A debate for Students was conducted by Women Empowerment Cell. Awareness Programme on the theme Recent incidents in connection with Women Harassment was organized by WEC on 18.05.2022.

IV STUDENT SUPPORT AND PROGRESSION					
Sl. No.	Description	Very good	Good	Satisfactory	Poor
1	Student's participation in IIT's NIT's, Govt. Institutions and Private institutions.		√		
2	Prize achievements by students in various events		√		
3	Participation in Social awareness activities		√		
4.	Scholarships and Financial Support		√		
5	Number of capability enhancement and development schemes		√		
6	Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases		√		
7	Student progression to higher education in percentage during the year		√		
8	Number of awards/medals for outstanding performance in sports/cultural activities at national/international level		√		
9	Role of alumni in college development		√		

V INFRASTRUCTURE FACILITIES					
		Very good	Good	Satisfactory	Poor
1.	Adequacy of infrastructural facilities to improve the teaching learning process Class rooms Laboratories Seminar halls Faculty rooms Smart class rooms	✓			
2.	Internet facilities for faculty and students		✓		
3.	Computing facilities	✓			
4.	Library resources	✓			
5.	Common facilities(Bank with ATM, Reprographic facilities, hostels, canteen etc)	✓			
VI INSTITUTIONAL VALUES AND BEST PRACTICES					
	Description	Very good	Good	Satisfactory	Poor
1	Environmental Consciousness and Sustainability/Alternate Energy initiatives	✓			
2.	Activities conducted for promotion of universal Values and Ethics		✓		
3.	Adequacy of having best practices	✓			
VII GOVERNANCE, LEADERSHIP AND MANAGEMENT					
	Description	Very good	Good	Satisfactory	Poor
1.	Teaching and nonteaching staff attended training programs		✓		
2.	Adherence to Quality policies	✓			
3.	Various administrative committees/cells/clubs and its duties	✓			
4.	Financial support for staff training			✓	
5.	Benefits to Teaching and nonteaching staff		✓		
6.	Safety measures in the college	✓			

Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes. The committee reviews its teaching learning process, structures and methodologies of operations and learning outcomes through IQAC set up as per norms. The committee appreciates the well maintained academic records/course files, infrastructure facilities, students involvement in various extracurricular and cocurricular activities. Also it commended about the steps taken towards best practices

adopted in Institution. The committee appreciated the functions of various cells like EDC, Women Empowerment Cell, Industry - Institute activities etc.

Suggestions for improvement:

*Suggestions for improvement from
externals is enclosed.*

N. Alagumurthi
19/11/2022

External Auditor 1
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Professor of Mechanical Engineering
Pondicherry Engineering College
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M. Ibrahim Bathusha
19/11/22

External Auditor 2
Dr. M. Ibrahim Bathusha
Professor of Civil Engineering
PSG College of Technology
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R. Thenmozhi
19.11.22

IQAC Director
Dr. R. Thenmozhi
Professor of Civil Engg
GCT, Coimbatore

P. Thamarai
19/11/22

Chairman
Dr. P. Thamarai
Principal
GCT, Coimbatore

Suggestions for improvement by Dr. N. Alagumurthi

1. Audit manual is to be prepared.
2. Targets to be fixed for all parameters. Real targets based on NBA/NAAC are to be set.
3. Publication target to be set as per NAAC/NBA requirements.
4. Target to be fixed for publication by each individual faculty and to be audited by internal audit team.
5. Funded projects are not sufficient for the year 2021-22. It is observed that only eight faculty members are involved in obtaining external funding. Faculty members must be motivated to apply for funded projects.
6. Institute-Industry interaction is found to be good.
7. Faculty members are to be encouraged to obtain Industry sponsored projects.
8. Every Student must be encouraged to participate in various events conducted by other reputed institutions. Also targets may be fixed say atleast an event has to be attended by each individual.
9. Target level may be reduced for achieving prizes in the events participated and some scale like below may be preset.
 - 1-2 % - poor
 - 2-5%-Satisfactory
 - 5-7% Good
 - 7-10% - very good.
10. Availability of Internet facilities can be improved as per AICTE requirement.
11. Suitable mechanism may be formulated to financially support faculty members attending various conferences, programmes, events etc..
12. More number of IPR related programmes may be arranged to enlighten the faculties so as to increase the number of patents.
13. Some rational approach to be framed and followed in the auditing procedure.

Suggestions for improvement by Dr.M.Ibrahim Bathusha

1. Placement drives for student to improve placement.
2. Encouraging Students for clearing GATE
3. Number of MoU need to be increased
4. Student Projects could be done in tie up with Government Departments / Industry oriented.
5. Final Year students are to be encouraged to participate SIH competition conducted by Higher level Institutions like IITs, NITs, SERC and NEERI.

Dr. R. Thenmozhi 19.11.22

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